Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 0317
CALIBRATION DATE: 09-Feb-21

Glider APL CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g =  -9.96547897e+000
h =   1.19000737e+000
i =  -4.96085394e-003
j =   4.49559875e-004

CPcor = -9.5700e-008 (nominal)
CTcor =  3.2500e-006 (nominal)
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (kHz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2.90684	0.00000	0.00000
1.0000	34.6683	2.96452	5.80282	2.96456	0.00004
4.4999	34.6489	3.27047	6.02251	3.27042	-0.00006
15.0000	34.6084	4.24880	6.67609	4.24883	0.00003
18.5000	34.5997	4.59273	6.89080	4.59274	0.00001
24.0000	34.5906	5.14875	7.22404	5.14872	-0.00003
29.0000	34.5863	5.66887	7.52203	5.66888	0.00001
32.5000	34.5838	6.04002	7.72733	6.03993	-0.00009

f = Instrument Output (kHz)

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / 10 (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity